



CHRISTIE LW40U

Native Widescreen Projector Offers Ideal Display for 16:9 and XGA Images

Christie's LW40U is the new benchmark for native widescreen displays and the ultimate in video presentation.

With a true 16:9 aspect ratio and the visual power of 4000 lumens, the LW40U displays native HD content in its purest form and expands the capability of your presentations. Images have the "impact" factor of widescreen format without compromising image area or screen brightness.

The native WXGA panel provides 44% more pixels on the screen than an XGA resolution projector displaying 16:9 content. When displaying computer or data presentations, the image can be centered on the screen in pixel-perfect XGA (1024x768) mode without changing the zoom lens or cropping the image mode.

The latest 3D digital video processing produces sharp video images from analog and digital sources. A 90% brightness uniformity and a 900:1 contrast ratio take your images to a higher level of presentation.

The dual lamp design gives you the confidence of guaranteed performance. The LW40U provides the option of projecting the full 4000 ANSI lumens for bright, large screen images or 2,400 ANSI lumens in single-lamp mode, to extend the life of the lamp.

Feature-rich and supported by a full suite of optional lenses and accessories for the ultimate presentation flexibility and control, the LW40U is compatible with Christie's Real Color Management (RCM) software. Users can target and match the displayed color to specific gamma curves and reference monitors for picture-perfect presentation and real-life images.

Compatible with a broad spectrum of analog and digital video and data inputs with a range of optional interface cards including DVI-D, SDI and HD-SDI formats to interface perfectly with the latest source players and receivers. Network connectivity is available through ChristieNET™ to attach the LW40U to any network to monitor lamp life, projector temperature and other vital functions for full control and monitoring for preventative maintenance in real time.

- True WXGA resolution (1366 x 768)
- 4000 ANSI lumens maximum
- DTV & HDTV compatible
- Progressive scan video decoding
- Motorized zoom, focus & lens shift (up/down)
- 2 lamp system - dual or single lamp operation
- Lamp redundancy and failsafe operation
- Monitor lamp usage
- Extensive optional lens suite
- Presentation support features

APPLICATIONS

- Boardrooms, conference rooms
- Auditoriums and churches
- Training rooms, classrooms
- Casinos, theme parks and museums

CHRISTIE
Project. Present. Perform.

LW40U • 38-VIV210-02

For Boardrooms, Conference Rooms, Classrooms, Training Rooms

Brightness

- 4000 ANSI lumens (2-lamp mode)
- 2400 ANSI lumens (1-lamp mode)
- 85% brightness uniformity

Contrast Ratio

- Over 900:1 on/off

Resolution

- 3 x 1.2" p-Si Active Matrix TFT High Aperture LCD panels with Micro Lens Array
- True WXGA 1366 x 768 chip resolution
- 8-bit color resolution offering 16.7 million displayable colors

Dynamic Scaling

- Digital scaling of VGA - SXGA resolutions
- Digital de-interlacing of STV, DTV and HDTV formats with Digital Interpolation Technology (DIT) automatic with 2:3 pull-down

Horizontal Frequency

- 15 to 120 kHz
- Automatic frequency control

- Accepts Composite Video, S-Video and component video from VCR, DVD, Laser Disc players and video cameras
- Auto-detects PAL, PAL M, PAL N, NTSC, NTSC4.43 and SECAM video standards
- Compatible with DTV/HDTV formats, 480 30i, 480 30p, 720p, 720 60p, 1035 30i, 1080 25i and 1080 30i and 1035i
- HDTV compatible, 800 TV lines horizontal resolution
- Digital Visual Interface (DVI-D) compatible

Enhanced Feature Set

- Progressive scan video decoding
- 3-D digital noise reduction
- 2-lamp or 1-lamp mode, user-selectable from menu
- Motorized zoom and focus
- Motorized lens shift (up and down)
- Digital zoom function (max. x49)
- Digital keystone function (+/- 30 degrees)
- Power management function

- Operating voltage: 90-264V (100-120V/ 200-240V +/- 10%)
- Power consumption: 660 W maximum
- Thermal dissipation: 2700 BTU/hr
- Operating temperature: 5 to 35° (storage: -10 to 60°)
- Operating humidity: 20 - 80% (storage 0 - 90%)
- Acoustic noise level: 45dBA (Auto fan control for noise level reduction)

Weight and Size

- 45.2 lbs (20.5 kg)
- 17.3" (W) x 8.9" (H) x 23.8" (D)
- 439mm (W) x 230mm (H) x 605mm (D)

Standard Accessories

- Real Color Manager (RCM) user-definable gamma software
- Wireless/wired remote controller with mouse control and laser pointer (two "AA" type batteries and cable included)
- User manual
- Computer cable (D-sub-15 – D-sub-15)

FEATURES



- ChristieNET™ attaches the LW40U to any network for monitoring and control of vital projector functions.

- With 44% more pixels than an XGA projector displaying 16:9 content, the LW40U provides higher pixel density and a smoother image.

- The LW40U offers flexibility in brightness and lamp life with dual UHP lamps.

Vertical Frequency

- 50 to 120 Hz
- Automatic frequency control

Dot Clock

- 230MHz

Standard Projection Lens

- A full suite of short/medium/long fixed and zoom optional lenses
- Power adjustable zoom, focus, up/down, lens shift
- Power lens shift U/D ratio of up to 10:0-10
- Image elevation adjustment: up 6.9 degrees
- Screen size 40" - 600" (0.15 m to 15.24 m) diagonal

Modular Inputs

- Input 1 (removable): Analog RGB, (15-pin D-sub), audio input (2 x RCA-R, L/mono),(Control - 8-pin mini-DIN x 1)
- Input 2 (removable): Analog RGB with 5 BNC for RGBHV, YpbPr and YcbCr, audio input (2x RCA-R,L/mono), Control (8-pin mini-DIN x 1)
- Input 3 (removable): Composite (2 x BNC), S-video, YC (4-pin mini-DIN), audio – (2 x RCA-R, L/mono)

Outputs

- Two built-in 3W speakers (per channel) and amplifier
- Audio output RCA x 2

Source Compatibility

- Compatible with VGA, SVGA, XGA, WXGA, SXGA, UXGA and MAC sources

Control/Networking

- Automatic Multi-Scanning Set-up System (AMSS) (phase/tracking/position)
- USB Type B
- Remote control jack
- RS232-C communications port via 9-pin D-sub terminal (in/out)
- Wire remote control
- IR remote keypad with mouse and laser pointer
- Front and rear IR receivers
- Remote mouse control
- ChristieNET™ control and monitoring via HTML and SNMP (optional)

Graphical User Interface

- Easy set-up and intuitive multi-language on screen displays (OSD) (English/German/French/Spanish/Italian/Portuguese/Dutch/Swedish/Chinese/Korean/Japanese)
- Direct key status function
- Choice of image aspect ratios (native 16:9 and 4:3)
- Blue back display
- Standby on-screen logo display
- Picture reverse scans function (left/right and top/bottom) for front, rear and inverted projection

Lamp Specification

- Two 265W UHP lamps
- 1000 hours lamp life at maximum brightness
- Lamp life warning indicators
- User replaceable lamp

Power Requirements

- Universal power AC 100 - 240V, 50/60Hz

Mac/VGA adapter

- Mouse control cable (PS/2, Serial and MAC)
- Dust cover
- AC cord x 2 (UL and European)

Optional Accessories

- Fixed lenses: 1.2:1, 1.8:1 and 10.3:1
- Zoom lenses: 2.0-2.65:1, 2.95-3.85:1, 3.85-5.2:1, 5.2-6.8:1, 6.8-8.8:1 zoom lens
- Digital Visual Interface (DVI) module
- SBNC interface module
- Y/C video interface module
- D-sub-15 interface module
- Digital HD-SDI interface module
- SDI digital interface module [tbd – needs new electronics from L6/LX65]
- 10-bit Faroudja® interface module
- Lamp module
- Shipping case

Regulatory Approvals

- Complies with all relevant world-wide EMC and safety standards
- The product complies with FCC class A, CE mark and safety requirements IEC950 (EN60950), UL1950 / cUL

Warranty

- Product warranty, 3 years parts and labor (excluding lamp)

Reliability

- Mean time between failure (MTBF) over 28,000 hrs

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Designed under ISO 9001

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